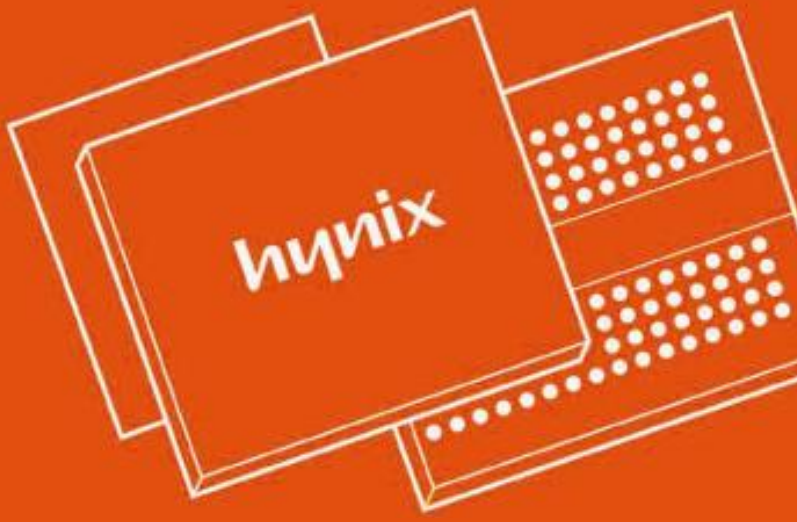
Rev 0.0



Q2’ 2010 Databook

hynix

omputing Memory

DDR3 SDRAM : Component

VDD	DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1.5V	1Gb	256Mx4	DDR3 1333	H5TQ1G43BFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ1G43TFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ1G43BFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ1G43TFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
		128Mx8	DDR3 1333	H5TQ1G83BFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ1G83TFR-H9C	FBGA(78ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ1G83BFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ1G83TFR-G7C	FBGA(78ball)	8Bank, 1.5V, CL7,7-7-7	Now
		64Mx16	DDR3 1333	H5TQ1G63BFR-H9C	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
		64Mx16	DDR3 1066	H5TQ1G63BFR-G7C	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now
	2Gb	512Mx4	DDR3 1333	H5TQ2G43AFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ2G43BFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ2G43AFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ2G43BFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
		256Mx8	DDR3 1333	H5TQ2G83MFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	EOL
				H5TQ2G83AFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
				H5TQ2G83BFR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ2G83MFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	EOL
				H5TQ2G83AFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
				H5TQ2G83BFR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Now
		128x16	DDR3 1333	H5TQ2G63BFR-H9C	FBGA(96ball)	8Bank, 1.5V, CL9,9-9-9	Now
			DDR3 1066	H5TQ2G63BFR-G7C	FBGA(96ball)	8Bank, 1.5V, CL7,7-7-7	Now
	4Gb	1Gx4 (DDP)	DDR3 1333	H5TQ4G43BMR-H9C	FBGA(82ball)	8Bank, 1.5V, CL9,9-9-9	Jun '10
			DDR3 1066	H5TQ4G43BMR-G7C	FBGA(82ball)	8Bank, 1.5V, CL7,7-7-7	Jun '10
1.35V	1Gb	256Mx4	DDR3 1333	H5TC1G43TFR-H9A	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC1G43TFR-G7A	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now
		128Mx8	DDR3 1333	H5TC1G83TFR-H9A	FBGA(78ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC1G83TFR-G7A	FBGA(78ball)	8Bank, 1.35V, CL7,7-7-7	Now
	2Gb	512Mx4	DDR3 1333	H5TC2G43AFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
				H5TC2G43BFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC2G43AFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
				H5TC2G43BFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
		256Mx8	DDR3 1333	H5TC2G83AFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
				H5TC2G83BFR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Now
			DDR3 1066	H5TC2G83AFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
				H5TC2G83BFR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Now
	4Gb	1Gx4 (DDP)	DDR3 1333	H5TC4G43BMR-H9A	FBGA(82ball)	8Bank, 1.35V, CL9,9-9-9	Jun '10
			DDR3 1066	H5TC4G43BMR-G7A	FBGA(82ball)	8Bank, 1.35V, CL7,7-7-7	Jun '10

omputing Memory

DDR2 SDRAM : Component

VDD	DENSITY	ORG.	SPEED	PART NUMBER	PKG.	FEATURE	AVAIL.
1.8V	2Gb	512Mx4	DDR2 800	H5PS2G43AFR-S6C	FBGA(60ball)	8Bank, 1.8V, CL5,6-6-6	Now
			DDR2 667	H5PS2G43AFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
		256Mx8	DDR2 800	H5PS2G83AFR-S6C	FBGA(60ball)	8Bank, 1.8V, CL5,6-6-6	Now
			DDR2 667	H5PS2G83AFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
	1Gb	256Mx4	DDR2 800	HY5PS1G431CFP-S5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G43EFR-S5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 667	HY5PS1G431CFP-Y5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G43EFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 533	HY5PS1G431CFP-C4	FBGA(60ball)	8Bank, 1.8V, CL4,4-4-4	Now
				H5PS1G43EFR-C4C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 400	HY5PS1G431CFP-E3	FBGA(60ball)	8Bank, 1.8V, CL3,3-3-3	Now
		128Mx8	DDR2 800	HY5PS1G831CFP-S5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83EFR-S5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83NFR-S5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 667	HY5PS1G831CFP-Y5	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83EFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G83NFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 533	HY5PS1G831CFP-C4	FBGA(60ball)	8Bank, 1.8V, CL4,4-4-4	Now
				H5PS1G43EFR-C4C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G43NFR-C4C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 400	HY5PS1G831CFP-E3	FBGA(60ball)	8Bank, 1.8V, CL3,3-3-3	Now
		64Mx16	DDR2 800	HY5PS1G1631CFP-S5	FBGA(84ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G63EFR-S5C	FBGA(84ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 667	HY5PS1G1631CFP-Y5	FBGA(84ball)	8Bank, 1.8V, CL5,5-5-5	Now
				H5PS1G63EFR-Y5C	FBGA(60ball)	8Bank, 1.8V, CL5,5-5-5	Now
			DDR2 533	HY5PS1G1631CFP-C4	FBGA(84ball)	8Bank, 1.8V, CL5,4-4-4	Now
			DDR2 400	HY5PS1G1631CFP-E3	FBGA(84ball)	8Bank, 1.8V, CL5,3-3-3	Now

omputing Memory

DDR3 SDRAM : Module - UBDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.5V	4GB	512Mx64	256Mx8	1333-999	HMT351U6AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351U6BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351U6AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351U6BFR8C-G7	FBGA(82ball)	2	30mm	Now
		512Mx72	256Mx8	1333-999	HMT351U7AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351U7AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8C-G7	FBGA(82ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	1333-999	HMT125U6BFR8C-H9	FBGA(78ball)	2	30mm	Now
					HMT125U6TFR8C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125U6BFR8C-G7	FBGA(78ball)	2	30mm	Now
					HMT125U6TFR8C-G7	FBGA(78ball)	2	30mm	Now
				800-666	HMT125U6BFR8C-S6	FBGA(78ball)	2	30mm	Now
					HMT125U6TFR8C-S6	FBGA(78ball)	2	30mm	Now
			256Mx8	1333-999	HMT325U6BFR8C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325U6BFR8C-G7	FBGA(82ball)	1	30mm	Now
		256Mx72	128Mx8	1333-999	HMT125U7BFR8C-H9	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125U7BFR8C-G7	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8C-G7	FBGA(78ball)	2	30mm	Now
				800-666	HMT125U7BFR8C-S6	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8C-S6	FBGA(78ball)	2	30mm	Now
			256Mx8	1333-999	HMT325U7BFR8C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325U7BFR8C-G7	FBGA(82ball)	1	30mm	Now
	1GB	128Mx64	128Mx8	1333-999	HMT112U6BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT112U6TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112U6BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT112U6TFR8C-G7	FBGA(78ball)	1	30mm	Now
				800-666	HMT112U6BFR8C-S6	FBGA(78ball)	1	30mm	Now
					HMT112U6TFR8C-S6	FBGA(78ball)	1	30mm	Now
		128Mx72	128Mx8	1333-999	HMT112U7BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112U7BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8C-G7	FBGA(78ball)	1	30mm	Now
				800-666	HMT112U7BFR8C-S6	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8C-S6	FBGA(78ball)	1	30mm	Now
1.35V	4GB	512Mx72	256Mx8	1333-999	HMT351U7AFR8A-H9	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8A-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351U7AFR8A-G7	FBGA(82ball)	2	30mm	Now
					HMT351U7BFR8A-G7	FBGA(82ball)	2	30mm	Now
	2GB	256Mx72	256Mx8	1333-999	HMT325U7BFR8A-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325U7BFR8A-G7	FBGA(82ball)	1	30mm	Now
	2GB	256Mx72	128Mx8	1333-999	HMT125U7BFR8A-H9	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8A-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125U7BFR8A-G7	FBGA(78ball)	2	30mm	Now
					HMT125U7TFR8A-G7	FBGA(78ball)	2	30mm	Now
	1GB	128Mx72	128Mx8	1333-999	HMT112U7BFR8A-H9	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8A-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112U7BFR8A-G7	FBGA(78ball)	1	30mm	Now
					HMT112U7TFR8A-G7	FBGA(78ball)	1	30mm	Now

omputing Memory

DDR3 SDRAM : Module - RDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.5V	16GB	2Gx72	1Gx4 (DDP)	1333-999	HMT42GR7BMR4C-H9	FBGA(82ball)	4	30mm	Jun' 10
				1066-777	HMT42GR7AMR4C-G7	FBGA(82ball)	4	30mm	Now
					HMT42GR7BMR4C-G7	FBGA(82ball)	4	30mm	Jun' 10
	8GB	1Gx72	512Mx4	1333-999	HMT31GR7AFR4C-H9	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT31GR7AFR4C-G7	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4C-G7	FBGA(82ball)	2	30mm	Now
			256Mx8	1333-999	HMT31GR7BFR8C-H9	FBGA(82ball)	4	30mm	Now
				1066-777	HMT31GR7AFR8C-G7	FBGA(82ball)	4	30mm	Now
					HMT31GR7BFR8C-G7	FBGA(82ball)	4	30mm	Now
	4GB	512Mx72	256Mx8	1333-999	HMT351R7AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351R7AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8C-G7	FBGA(82ball)	2	30mm	Now
			512Mx4	1333-999	HMT351R7AFR4C-H9	FBGA(82ball)	1	30mm	Now
					HMT351R7BFR4C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT351R7AFR4C-G7	FBGA(82ball)	1	30mm	Now
					HMT351R7BFR4C-G7	FBGA(82ball)	1	30mm	Now
			128Mx8	1333-999	HMT151R7TFR8C-H9	FBGA(78ball)	4	30mm	Now
				1066-777	HMT151R7BFR8C-G7	FBGA(78ball)	4	30mm	Now
					HMT151R7TFR8C-G7	FBGA(78ball)	4	30mm	Now
			256Mx4	1333-999	HMT151R7BFR4C-H9	FBGA(78ball)	2	30mm	Now
					HMT151R7TFR4C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT151R7BFR4C-G7	FBGA(78ball)	2	30mm	Now
					HMT151R7TFR4C-G7	FBGA(78ball)	2	30mm	Now
	2GB	256Mx72	256Mx8	1333-999	HMT325R7BFR8C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325R7BFR8C-G7	FBGA(82ball)	1	30mm	Now
			256Mx4	1333-999	HMT125R7TFR4C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT125R7TFR4C-G7	FBGA(78ball)	1	30mm	Now
			128Mx8	1333-999	HMT125R7BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT125R7TFR8C-H9	FBGA(78ball)	1	30mm	Now
			128Mx8	1066-777	HMT125R7BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT125R7TFR8C-G7	FBGA(78ball)	1	30mm	Now
	1GB	128Mx72	128Mx8	1333-999	HMT112R7BFR8C-H9	FBGA(78ball)	1	30mm	Now
					HMT112R7TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112R7BFR8C-G7	FBGA(78ball)	1	30mm	Now
					HMT112R7TFR8C-G7	FBGA(78ball)	1	30mm	Now
1.35V	16GB	2Gx72	1Gx4 (DDP)	1066-777	HMT42GR7AMR4A-G7	FBGA(82ball)	4	30mm	Now
					HMT42GR7BMR4A-G7	FBGA(82ball)	4	30mm	Jul' 10
	8GB	1Gx72	512Mx4	1333-999	HMT31GR7AFR4A-H9	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4A-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT31GR7AFR4A-G7	FBGA(82ball)	2	30mm	Now
					HMT31GR7BFR4A-G7	FBGA(82ball)	2	30mm	Now
			256Mx8	1066-777	HMT31GR7AFR8A-G7	FBGA(82ball)	4	30mm	Now
					HMT31GR7BFR8A-G7	FBGA(82ball)	4	30mm	Now
	4GB	512Mx72	256Mx8	1333-999	HMT351R7AFR8A-H9	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8A-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351R7AFR8A-G7	FBGA(82ball)	2	30mm	Now
					HMT351R7BFR8A-G7	FBGA(82ball)	2	30mm	Now
			128Mx8	1066-777	HMT151R7TFR8A-G7	FBGA(78ball)	4	30mm	Now
			256Mx4	1333-999	HMT151R7TFR4A-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT151R7TFR4A-G7	FBGA(78ball)	2	30mm	Now
	2GB	256Mx72	256Mx8	1333-999	HMT325R7AFR8A-H9	FBGA(82ball)	1	30mm	Now
					HMT325R7BFR8A-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325R7AFR8A-G7	FBGA(82ball)	1	30mm	Now
					HMT325R7BFR8A-G7	FBGA(82ball)	1	30mm	Now
			256Mx4	1333-999	HMT125R7TFR4A-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT125R7TFR4A-G7	FBGA(78ball)	1	30mm	Now
			128Mx8	1333-999	HMT125R7TFR8A-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT125R7TFR8A-G7	FBGA(78ball)	1	30mm	Now
			128Mx8	1333-999	HMT112R7TFR8A-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112R7TFR8A-G7	FBGA(78ball)	1	30mm	Now

omputing Memory

DDR3 SDRAM : Module – VLP RDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.5V	8GB	1Gx72	1Gx4 (DDP)	1333-999	HMT41GV7AMR4C-H9	FBGA(82ball)	2	18.75mm	Now
					HMT41GV7BMR4C-H9	FBGA(82ball)	2	18.75mm	Jun '10
				1066-777	HMT41GV7AMR4C-G7	FBGA(82ball)	2	18.75mm	Now
					HMT41GV7BMR4C-G7	FBGA(82ball)	2	18.75mm	Jun '10
			512Mx8 (DDP)	1333-999	HMT41GV7AMR8C-H9	FBGA(82ball)	4	18.75mm	Now
					HMT41GV7BMR8C-H9	FBGA(82ball)	4	18.75mm	Jun '10
				1066-777	HMT41GV7AMR8C-G7	FBGA(82ball)	4	18.75mm	Now
					HMT41GV7BMR8C-G7	FBGA(82ball)	4	18.75mm	Jun '10
	4GB	512Mx72	512Mx4 (DDP)	1333-999	HMT351V7BMR4C-H9	FBGA(78ball)	2	18.75mm	Now
					HMT351V7TMR4C-H9	FBGA(78ball)	2	18.75mm	Now
				1066-777	HMT351V7BMR4C-G7	FBGA(78ball)	2	18.75mm	Now
					HMT351V7TMR4C-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT351V7AFR8C-H9	FBGA(82ball)	2	18.75mm	Now
					HMT351V7BFR8C-H9	FBGA(82ball)	2	18.75mm	Now
				1066-777	HMT351V7AFR8C-G7	FBGA(82ball)	2	18.75mm	Now
					HMT351V7BFR8C-G7	FBGA(82ball)	2	18.75mm	Now
	2GB	256Mx72	256Mx4	1333-999	HMT125V7BFR4C-H9	FBGA(78ball)	1	18.75mm	Now
					HMT125V7TFR4C-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT125V7BFR4C-G7	FBGA(78ball)	1	18.75mm	Now
					HMT125V7TFR4C-G7	FBGA(78ball)	1	18.75mm	Now
			128Mx8	1333-999	HMT125V7BFR8C-H9	FBGA(78ball)	2	18.75mm	Now
					HMT125V7TFR8C-H9	FBGA(78ball)	2	18.75mm	Now
				1066-777	HMT125V7BFR8C-G7	FBGA(78ball)	2	18.75mm	Now
					HMT125V7TFR8C-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT325V7BFR8C-H9	FBGA(82ball)	1	18.75mm	Now
				1066-777	HMT325V7BFR8C-G7	FBGA(82ball)	1	18.75mm	Now
	1GB	128Mx72	128Mx8	1333-999	HMT112V7BFR8C-H9	FBGA(78ball)	1	18.75mm	Now
					HMT112V7TFR8C-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT112V7BFR8C-G7	FBGA(78ball)	1	18.75mm	Now
					HMT112V7TFR8C-G7	FBGA(78ball)	1	18.75mm	Now
1.35V	8GB	1Gx72	1Gx4 (DDP)	1333-999	HMT41GV7AMR4A-H9	FBGA(82ball)	2	18.75mm	Now
					HMT41GV7BMR4A-H9	FBGA(82ball)	2	18.75mm	Jul '10
				1066-777	HMT41GV7AMR4A-G7	FBGA(82ball)	2	18.75mm	Now
					HMT41GV7BMR4A-G7	FBGA(82ball)	2	18.75mm	Jul '10
			512Mx8 (DDP)	1333-999	HMT41GV7BMR8A-H9	FBGA(82ball)	4	18.75mm	Jul '10
				1066-777	HMT41GV7BMR8A-G7	FBGA(82ball)	4	18.75mm	Jul '10
	4GB	512Mx72	512Mx4 (DDP)	1333-999	HMT351V7TMR4A-H9	FBGA(78ball)	2	18.75mm	Now
				1066-777	HMT351V7TMR4A-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT351V7AFR8A-H9	FBGA(82ball)	2	18.75mm	Now
					HMT351V7BFR8A-H9	FBGA(82ball)	2	18.75mm	May '10
				1066-777	HMT351V7AFR8A-G7	FBGA(82ball)	2	18.75mm	Now
					HMT351V7BFR8A-G7	FBGA(82ball)	2	18.75mm	May '10
	2GB	256Mx72	256Mx4	1333-999	HMT125V7TFR4A-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT125V7TFR4A-G7	FBGA(78ball)	1	18.75mm	Now
			128Mx8	1333-999	HMT125V7TFR8A-H9	FBGA(78ball)	2	18.75mm	Now
				1066-777	HMT125V7TFR8A-G7	FBGA(78ball)	2	18.75mm	Now
			256Mx8	1333-999	HMT325V7BFR8A-H9	FBGA(82ball)	1	18.75mm	May '10
				1066-777	HMT325V7BFR8A-G7	FBGA(82ball)	1	18.75mm	May '10
	1GB	128Mx72	128Mx8	1333-999	HMT112V7TFR8A-H9	FBGA(78ball)	1	18.75mm	Now
				1066-777	HMT112V7TFR8A-G7	FBGA(78ball)	1	18.75mm	Now

omputing Memory

DDR3 SDRAM : Module – SODIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.5V	4GB	512Mx64	256Mx8	1333--999	HMT351S6AFR8C-H9	FBGA(82ball)	2	30mm	Now
					HMT351S6BFR8C-H9	FBGA(82ball)	2	30mm	Now
				1066-777	HMT351S6AFR8C-G7	FBGA(82ball)	2	30mm	Now
					HMT351S6BFR8C-G7	FBGA(82ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	1333-999	HMT125S6BFR8C-H9	FBGA(78ball)	2	30mm	Now
					HMT125S6TFR8C-H9	FBGA(78ball)	2	30mm	Now
				1066-777	HMT125S6BFR8C-G7	FBGA(78ball)	2	30mm	Now
					HMT125S6TFR8C-G7	FBGA(78ball)	2	30mm	Now
				800-666	HMT125S6BFR8C-S6	FBGA(78ball)	2	30mm	Now
					HMT125S6TFR8C-S6	FBGA(78ball)	2	30mm	Now
				1333-999	HMT325S6BFR8C-H9	FBGA(82ball)	1	30mm	Now
				1066-777	HMT325S6BFR8C-G7	FBGA(82ball)	1	30mm	Now
			128Mx16	1333-999	HMT325S6BFR6C-H9	FBGA(96ball)	2	30mm	Now
				1066-777	HMT325S6BFR6C-G7	FBGA(96ball)	2	30mm	Now
	1GB	128Mx64	128Mx8	1333-999	HMT112S6TFR8C-H9	FBGA(78ball)	1	30mm	Now
				1066-777	HMT112S6TFP8C-G7	FBGA(78ball)	1	30mm	Now
				800-666	HMT112S6TFP8C-S6	FBGA(78ball)	1	30mm	Now
		128Mx64	64Mx16	1333-999	HMT112S6BFR6C-H9	FBGA(96ball)	2	30mm	Now
				1066-777	HMT112S6BFR6C-G7	FBGA(96ball)	2	30mm	Now
				800-666	HMT112S6BFR6C-S6	FBGA(96ball)	2	30mm	Now
			128Mx16	1333-999	HMT312S6BFR6C-H9	FBGA(96ball)	1	30mm	Now
				1066-777	HMT312S6BFR6C-G7	FBGA(96ball)	1	30mm	Now
1.35V	4GB	512Mx64	256Mx8	1333--999	HMT351S6BFR8A-H9	FBGA(82ball)	2	30mm	May '10
				1066-777	HMT351S6BFR8A-G7	FBGA(82ball)	2	30mm	May '10
	2GB	256Mx64	256Mx8	1333-999	HMT325S6BFR8A-H9	FBGA(82ball)	1	30mm	May '10
				1066-777	HMT325S6BFR8A-G7	FBGA(82ball)	1	30mm	May '10

omputing Memory

DDR2 SDRAM : Module - UBDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.8V	4GB	512Mx64	256Mx8	DDR2 800-666	HMP351U6AFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP351U6AFR8C-Y5	FBGA(60ball)	2	30mm	Now
		512Mx72	256Mx8	DDR2 800-666	HMP351U7AFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP351U7AFR8C-Y5	FBGA(60ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	DDR2 800-555	HYMP125U64CP8-S5	FBGA(60ball)	2	30mm	Now
					HMP125U6EFR8C-S5	FBGA(60ball)	2	30mm	Now
				DDR2 800-666	HMP125U6NFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125U64CP8-Y5	FBGA(60ball)	2	30mm	Now
					HMP125U6EFR8C-Y5	FBGA(60ball)	2	30mm	Now
					HMP125U6NFR8C-Y5	FBGA(60ball)	2	30mm	Now
				DDR2 533-444	HYMP125U64CP8-C4	FBGA(60ball)	2	30mm	Now
					HMP125U6EFR8C-C4	FBGA(60ball)	2	30mm	Now
					HMP125U6NFR8C-C4	FBGA(60ball)	2	30mm	Now
		256Mx72	128Mx8	DDR2 800-555	HYMP125U72CP8-S5	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125U72CP8- Y5	FBGA(60ball)	2	30mm	Now
	1GB	128Mx64	128Mx8	DDR2 800-555	HYMP112U64CP8-S5	FBGA(60ball)	1	30mm	Now
					HMP112U6EFR8C-S5	FBGA(60ball)	1	30mm	Now
				DDR2 800-666	HMP112U6NFR8C-S6	FBGA(60ball)	1	30mm	Now
				DDR2 667-555	HYMP112U64CP8-Y5	FBGA(60ball)	1	30mm	Now
					HMP112U6EFR8C-Y5	FBGA(60ball)	1	30mm	Now
					HMP112U6NFR8C-Y5	FBGA(60ball)	1	30mm	Now
				DDR2 533-444	HYMP112U64CP8-C4	FBGA(60ball)	1	30mm	Now
					HMP112U6EFR8C-C4	FBGA(60ball)	1	30mm	Now
					HMP112U6NFR8C-C4	FBGA(60ball)	1	30mm	Now
		128Mx72	128Mx8	DDR2 800-555	HYMP112U72CP8-S5	FBGA(60ball)	1	30mm	Now
				DDR2 667-555	HYMP112U72CP8-Y5	FBGA(60ball)	1	30mm	Now

DDR2 SDRAM : Module - RDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.8V	8GB	1Gx72	512Mx4	DDR2 800-666	HMP31GP7AFR4C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP31GP7AFR4C-Y5	FBGA(60ball)	2	30mm	Now
	4GB	512Mx72	256Mx4	DDR2 800-555	HYMP151P72CP4-S5	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP151P72CP4-Y5	FBGA(60ball)	2	30mm	Now
	2GB	256Mx72	128MX8	DDR2 800-555	HYMP125P72CP8-S5	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125P72CP8-Y5	FBGA(60ball)	2	30mm	Now
			256MX4	DDR2 800-555	HYMP125P72CP4-S5	FBGA(60ball)	1	30mm	Now
				DDR2 667-555	HYMP125P72CP4-Y5	FBGA(60ball)	1	30mm	Now
			128Mx8	DDR2 667-555	HYMP112P72CP8-Y5	FBGA(60ball)	1	30mm	Now

omputing Memory

DDR2 SDRAM : Module – VLP RDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.8V	4GB	512Mx72	256x4(DDP)	DDR2 667-555	HYMP351P72CMP4L-Y5	FBGA(63ball)	2	18.3mm	Now
	2GB	256Mx72	256MX4	DDR2 800-555	HYMP125P72CP4L-S5	FBGA(60ball)	2	18.3mm	Now
				DDR2 667-555	HYMP125P72CP4L-Y5	FBGA(60ball)	2	18.3mm	Now
	1GB	128Mx72	128Mx8	DDR2 800-555	HYMP112P72CP8L-S5	FBGA(60ball)	1	18.3mm	Now
				DDR2 667-555	HYMP112P72CP8L-Y5	FBGA(60ball)	1	18.3mm	Now

omputing Memory

DDR2 SDRAM : Module – FBDIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.8V	8GB	1Gx72	512Mx4	DDR2 800-666	HMP31GF7AFR4C-S6xx	FBGA(60ball)	2	30.35mm	Now
				DDR2 667-555	HMP31GF7AFR4C-Y5xx	FBGA(60ball)	2	30.35mm	Now
	4GB	512Mx72	256Mx4	DDR2 800-555	HYMP151F72CP4xx-S5	FBGA(60ball)	2	30.35mm	Now
				DDR2 667-555	HYMP151F72CP4xx-Y5	FBGA(60ball)	2	30.35mm	Now
			128Mx8	DDR2 800-555	HYMP151F72CP8xx-S5	FBGA(60ball)	4	30.35mm	Now
				DDR2 667-555	HYMP151F72CP8xx-Y5	FBGA(60ball)	4	30.35mm	Now
	2GB	256Mx72	128MX8	DDR2 800-555	HYMP125F72CP8xx-S5	FBGA(60ball)	2	30.35mm	Now
				DDR2 667-555	HYMP125F72CP8xx-Y5	FBGA(60ball)	2	30.35mm	Now
	1GB	128Mx72	128Mx8	DDR2 800-555	HYMP112F72CP8xx-S5	FBGA(60ball)	1	30.35mm	Now
			128Mx8	DDR2 667-555	HYMP112F72CP8xx-Y5	FBGA(60ball)	1	30.35mm	Now
1.55V	8GB	1Gx72	512Mx4	DDR2 667-555	HMP31GL7AFR4C-Y5xx	FBGA(60ball)	2	30.35mm	Now
	4GB	512Mx72	256Mx4	DDR2 667-555	HYMP151L72CP4xx-Y5	FBGA(60ball)	2	30.35mm	Now
	2GB	256Mx72	128MX8	DDR2 667-555	HYMP125L72CP8xx-Y5	FBGA(60ball)	2	30.35mm	Now
	1GB	128Mx72	128Mx8	DDR2 667-555	HYMP112L72CP8xx-Y5	FBGA(60ball)	1	30.35mm	Now

FBD P/N xx : (AMB vender)(Revison)

AMB vender N: intel, D: IDT, E NEC

DDR2 SDRAM : Module – SODIMM

VDD	MODULE		BASED COM.	SPEED	PART NUMBER	COMPONENT PKG.	#OF RANK	HEIGHT	AVAIL.
	DENSITY	ORG.							
1.8V	4GB	512Mx64	256Mx8	DDR2 800-666	HMP351S6AFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HMP351S6AFR8C-Y5	FBGA(60ball)	2	30mm	Now
				DDR2 533-444	HMP351S6AFR8C-C4	FBGA(60ball)	2	30mm	Now
	2GB	256Mx64	128Mx8	DDR2 800-555	HYMP125S64CP8-S5	FBGA(60ball)	2	30mm	Now
					HMP125S6EFR8C-S5	FBGA(60ball)	2	30mm	Now
				DDR2 800-666	HMP125S6NFR8C-S6	FBGA(60ball)	2	30mm	Now
				DDR2 667-555	HYMP125S64CP8-Y5	FBGA(60ball)	2	30mm	Now
					HMP125S6EFR8C-Y5	FBGA(60ball)	2	30mm	Now
					HMP125S6NFR8C-Y5	FBGA(60ball)	2	30mm	Now
				DDR2 533-444	HYMP125S64CP8-C4	FBGA(60ball)	2	30mm	Now
					HMP125S6EFR8C-C4	FBGA(60ball)	2	30mm	Now
					HMP125S6NFR8C-C4	FBGA(60ball)	2	30mm	Now
	1GB	128Mx64	64Mx16	DDR2 800-555	HYMP112S64CP6-S5	FBGA(84ball)	2	30mm	Now
					HMP112S6EFR6C-S5	FBGA(84ball)	2	30mm	Now
				DDR2 667-555	HYMP112S64CP6-Y5	FBGA(84ball)	2	30mm	Now
					HMP112S6EFR6C-Y5	FBGA(84ball)	2	30mm	Now
				DDR2 533-444	HYMP112S64CP6-C4	FBGA(84ball)	2	30mm	Now
					HMP112S6EFR6C-C4	FBGA(84ball)	2	30mm	Now